

Converting Colors

CIELCh(47, 12.662, 208.864)

Have a look what the booklet for
CIELCh(47, 12.662, 208.864)
contains.

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Color

CIELCh(47, 12.596, 209.023)

Conversions

Conversions Part 1

Format	Color
Hex	537579
RGB	83, 117, 121
RGB Percent	33%, 46%, 47%
CMY	0.6735, 0.5402, 0.5245
CMYK	0.31, 0.03, 0.00, 0.52
HSL	186°, 19%, 40%
HSV	186°, 31%, 48%
XYZ	13.4474, 16.0195, 20.5552
YIQ	107.2900, -21.5480, -5.9640

Conversions

Conversions Part 2

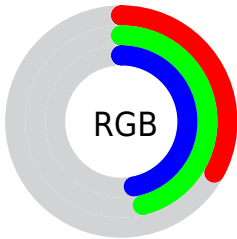
Format	Color
R_{YB}	83, 101, 121
Decimal	5469561
CIE _{Lab}	47.00, -11.01, -6.11
CIE _{LCh}	47, 12.596, 209.023
Yxy	16.0195, 0.2688, 0.3202
Android (android.graphics.Color)	4283659641 (0xFF537579)
YUV	107.2900, 6.7590, -21.3023
Hunter-Lab	40.0243, -10.0699, -2.4324

Details

The CIELCh color `47, 12.596, 209.023` is a dark color, and the websafe version is hex `336666`. A complement of this color would be `41, 15.588, 30.299`, and the grayscale version is `45, 0.006, 296.813`.

A 20% lighter version of the original color is `67, 12.492, 208.675`, and `27, 12.738, 209.442` is the 20% darker color. If you saturate the color by 10%, you get `46, 15.941, 209.201`, and if you desaturate by 10%, it is `48, 8.880, 208.973`.

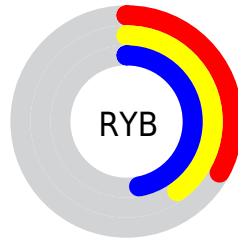
Distribution



Red (33%)

Green (46%)

Blue (47%)



Red (33%)

Yellow (40%)

Blue (47%)

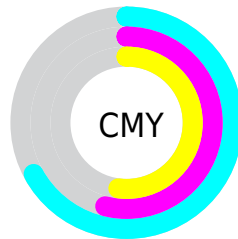


Cyan (31%)

Magenta (3%)

Yellow (0%)

Black (52%)



Cyan (67%)


Magenta (54%)

Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 12.596, 209.023 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 47, 12.596, 209.023 by changing the saturation by 10% instead.


 47, 12.596,
209.023


 47, 12.596,
209.023


 100, 12.596,
209.023


 37, 12.596,
209.023

 67, 12.596,
209.023


 27, 12.596,
209.023

 77, 12.596,
209.023

 17, 12.596,
209.023

 87, 12.596,
209.023

 7, 12.596, 209.023

 97, 12.596,
209.023

 0, 12.596, 209.023

 47, 12.596,

 47, 12.596,

209.023

209.023

■ 46, 15.941,
209.201

■ 48, 8.880, 208.973

■ 45, 18.849,
209.546

■ 49, 4.857, 209.057

■ 51, 0.589, 209.763

■ 44, 21.264,
210.083

■ 52, 3.867, 29.207

■ 43, 23.145,
210.849

■ 54, 8.465, 29.510

■ 55, 13.163, 29.812

■ 43, 24.473,
211.880

■ 57, 17.928, 30.134

■ 42, 25.263,
213.211

■ 58, 22.732, 30.471

■ 60, 27.556, 30.819

■ 42, 25.724,
214.491

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47, 12.596, 209.023



41, 15.588, 30.299

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47, 12.596, 209.023



47, 12.596, 259.023



47, 12.596, 29.023



47, 12.596, 79.023

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47, 12.596, 209.019



64, 4.814, 209.096



47, 25.497, 145.108



33, 3.317, 209.072



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47, 12.596, 209.019



59, 18.399, 209.144



41, 14.684, 270.174



25, 2.444, 209.099



43, 26.278, 214.553



83, 44.064, 215.662

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41, 25.431, 329.180



50, 38.118, 329.610



46, 15.191, 81.498



24, 4.587, 327.906



28, 62.904, 332.749



58, 105.438, 333.022

Previews

White Background



This preview shows how the CIE LCh color 47, 12.596, 209.023 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 47, 12.596, 209.023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

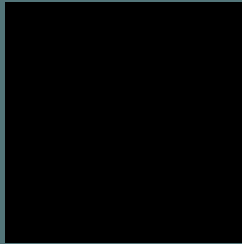
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 12.596, 209.023

Background



This preview shows how black text looks on a background with the CIELCh color 47, 12.596, 209.023.



This preview shows how white text looks on a background with the CIELCh color 47, 12.596, 209.023.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
47, 12.596, 209.023

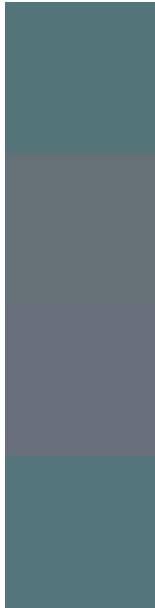
Protanopia
47, 4.178, 296.221

Deuteranopia
47, 9.482, 310.727



Tritanopia
47, 12.834, 222.944

Trichromacy



Original Color
47, 12.596, 209.023

Protanomaly
47, 5.777, 237.111

Deuteranomaly
47, 6.997, 268.401

Tritanomaly
47, 12.530, 217.650

Monochromacy



Original Color
47, 12.596, 209.023

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 4.849, 213.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 12.596, 209.023 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(83, 117, 121)` looks like.

```
.text, #text, p{  
    color:rgb(83, 117, 121)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(83, 117, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 117, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 12.596, 209.023 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(83, 117, 121) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(83, 117, 121) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(83, 117, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 117, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 117, 121);  
box-shadow:4px 4px 4px 4px rgb(83, 117,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 12.596, 209.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 117, 121) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(83, 117,  
121) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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